

**Amendments to the Claims:**

This listing of claims will replace all prior versions and listings, of claims in the application:

**Listing of Claims:**

1. (Currently Amended) ~~An apparatus comprising:~~ A personal computer including, but not limited to:

[[a]] the personal computer being configured to provide a wireless network connection to a network of said personal computers, the network including an Internet;

the personal computer being further configured to ~~initiate a computer processing~~  
~~participate in an~~ operation ~~shared with at least one other~~ another said personal computer, ~~and the~~  
~~personal computer also being configured to execute a shared computer processing operation~~  
~~initiated by the at least one other personal computer;~~

the personal computer including a microchip including a microprocessor with ~~at least a~~  
control unit and ~~at least one~~ a processing unit, the control unit being configured to allow a user of  
the personal computer to control the ~~at least one~~ processing unit;

the microchip including [[a]] an internal firewall configured to ~~permit~~ deny access by the  
~~at least one other personal computer through the network to the least one processing unit to~~  
~~execute the shared computer processing~~ a portion of the microchip during the operation initiated  
~~by the at least one other personal computer;~~

the microchip including a non-volatile memory component;

the microchip including a power management component; and

the microchip including active configuration of ~~at least one~~ a circuit integrated into the microchip.

2. (Currently Amended) The ~~apparatus~~ personal computer of claim 1, wherein the internal firewall is configured ~~during the shared computer processing operation~~ to deny access to the ~~at least one processing unit~~ another portion of the microchip by the control unit and to deny access to the control unit by the ~~at least one~~ other personal computer.

3. (Currently Amended) The ~~apparatus~~ personal computer of claim 1, wherein the internal firewall is a hardware firewall.

4. (Currently Amended) The ~~apparatus~~ personal computer of claim 1, wherein the microchip includes ~~a control and the~~ processing unit and the internal firewall is configured to permit access by the other personal computer through the network to a first processing unit to execute an operation initiated by the other personal computer.

5. (Currently Amended) The ~~apparatus~~ personal computer of claim 1, wherein the active configuration is provided by the use of field-programmable gate arrays (FPGAs).

6. (Currently Amended) The ~~apparatus~~ personal computer of claim 1, wherein the active configuration is provided by the use of a micro electromechanical system (MEMS).

7. (Currently Amended) The ~~apparatus~~ personal computer of claim 1, wherein the active configuration is used to configure said firewall.

8. (Currently Amended) The ~~apparatus~~ personal computer of claim 1, wherein the control unit is controlled by the use of a remote controller.

9. (Currently Amended) The ~~apparatus~~ personal computer of claim 1, wherein the personal computer includes one or more of a telephone, a radio, a pager, a handheld personal digital assistant, a wearable computer, a digital signal processor, an entertainment device, a game, a videocam, an optical data recording device, a camera, a household electronic device, a business electronic device, and an automobile.

10. (Currently Amended) The ~~apparatus~~ personal computer of claim 1, wherein the personal computer is configured to establish a direct wireless connection to the ~~at least one~~ other personal computer within a local cluster of personal computers.

11. (Currently Amended) The ~~apparatus~~ personal computer of claim ~~[[1]]~~ 4, wherein the ~~microchip includes more than one said processing units~~ internal firewall is configured to deny access to a second processing unit by the other personal computer through the network.

12. (Currently Amended) The ~~apparatus~~ personal computer of claim 1, wherein the microchip includes a network communications component.

13. (Currently Amended) The ~~apparatus~~ personal computer of claim 1, wherein the microchip includes a flash memory component.

14. (Currently Amended) The ~~apparatus~~ personal computer of claim 1, wherein the flash memory component includes a BIOS (basic input/output system) of the personal computer.

15. (Currently Amended) The ~~apparatus~~ personal computer of claim 1, wherein the microchip includes a sound component of the personal computer.

16. (Currently Amended) The ~~apparatus~~ personal computer of claim 1, wherein the microchip includes a graphics component of the personal computer.

17. (Currently Amended) The ~~apparatus~~ personal computer of claim 1, wherein the microchip includes a video processing component of the personal computer.

18. (Currently Amended) The ~~apparatus~~ personal computer of claim 1, wherein the microchip includes an analog component of the personal computer.

19. (Currently Amended) The ~~apparatus~~ personal computer of claim 1, wherein the microchip includes a modem component of the personal computer.

20. (Currently Amended) The ~~apparatus~~ personal computer of claim 1, wherein the ~~personal computer~~ microchip includes more than one said microprocessors.

21. (Currently Amended) The ~~apparatus~~ personal computer of claim 1, wherein the ~~personal computer~~ microchip includes at least four said microprocessors.

22. (Currently Amended) The ~~apparatus~~ personal computer of claim 1, wherein the ~~personal computer~~ microchip includes at least sixteen said microprocessors.

23. (Currently Amended) The ~~apparatus~~ personal computer of claim 1, wherein the ~~personal computer~~ microchip includes at least sixty-four said microprocessors.

24. (Currently Amended) The ~~apparatus~~ personal computer of claim 1, wherein the network includes a World Wide Web.

25. (Currently Amended) The ~~apparatus~~ personal computer of claim 1, wherein the network includes an Intranet.